



JACK O'CONNELL
State
Superintendent of
Public Instruction

CALIFORNIA
DEPARTMENT OF
EDUCATION

Standardized Testing and Reporting (STAR) Program

Summary of Results

Standardized Testing and Reporting (STAR) Program

Summary of 2006 Results

Background

- In 1997, the governor signed legislation that authorized the Standardized Testing and Reporting (STAR) Program. The law initially required testing all students in grades two through eleven in English-language arts and mathematics, grades two through eight in spelling, and grades nine through eleven in science and history-social science.
- In 1998, the state administered the Stanford Achievement Test, Ninth Edition (Stanford 9), a national norm-referenced test, to students in grades two through eleven.
- In 1999, the Stanford 9 was augmented with questions written specifically to measure students' achievement of the California content standards in English-language arts and mathematics.
- In 2003, all of the California Standards Tests (CSTs) were separated from the Stanford 9 and included only questions written specifically for California's content standards.
- The 2006 STAR Program included four components:
 - The California Standards Tests (CSTs)
 - The California Alternate Performance Assessment (CAPA) administered to students with significant cognitive disabilities in grades two through eleven
 - The California Achievement Tests, Sixth Edition Survey (CAT/6 Survey)—a national norm-referenced test administered to students in grades three and seven
 - The Aprenda: La prueba de logros en español, Tercera edición (Aprenda 3)—a national norm-referenced test in Spanish that was administered to Spanish-speaking English learners who had been in school in the United States fewer than 12 months when tested or who were receiving instruction in Spanish regardless of how long they had been in school in the United States. The students were required to take the Aprenda 3 in addition to taking the CSTs and CAT/6 Survey.
- New changes in spring 2006: two new science tests in grades 8 and 10 were administered. The Aprenda 3 replaced the Spanish Assessment of Basic Education, Second Edition (SABE/2) that was administered between 1999 and 2005.

- In spring 2006, the following CSTs were required for all students:
 - English-language arts Grades 2 – 11
 - Mathematics Grades 2 – 9
 - Science Grades 5, 8, and 10 (life science)
 - History-Social Science Grades 8, 10 (world history) and 11 (U.S. history)
- In addition to the tests required for all students, students in grades ten and eleven could take math tests based on course completion. Tests were offered in general mathematics (limited to students in grades eight and nine), Algebra I, geometry, Algebra II, integrated mathematics 1, 2, and 3, and summative high school mathematics.
- Students in grades nine through eleven also took science tests based on course completion. Tests were offered in biology, chemistry, earth science, physics, and integrated/coordinated science 1, 2, 3, and 4.

Reporting CST Results

- The CST results are reported using five performance levels: advanced, proficient, basic, below basic, and far below basic.
- The percent of students scoring at each performance level is reported by grade and subject for all students, as well as for subgroups of students. Results for school, school district, county, and state level results for the 2006 STAR Program have been posted on the California Department of Education's Web site at <http://star.cde.ca.gov>.
- The state target is to have all students score at the proficient level or above.

Summary of CST Results

English-Language Arts (ELA)

- The greatest gains for ELA were in grades two and three. Forty-seven percent of students scored at the proficient and advanced levels in grade two and 36 percent scored at the proficient and advanced levels in grade three. Each grade showed an increase of 5 percent over last year.
- Students in grades two through eleven scoring at the proficient and advanced levels increased by 7 percent between 2003 and 2006 and by 2 percent from last year.

- Students scoring at the proficient and advanced levels increased for all subgroups from last year.
- The greatest increases between 2003 and 2006 were for the Filipino, and fluent-English proficient groups where 10 percent more students scored proficient and advanced in 2006 than in 2003. These were followed by the economically disadvantaged subgroup with an increase of 7 percent.

Mathematics

- Approximately 1.7 million students in grades eight to eleven took CSTs in mathematics based on course completion.
- Fifty-nine percent of grade two students, 57 percent of grade three students, and 54 percent of grade four students scored at the proficient and advanced levels.
- Algebra I, and Algebra II increased continuing a trend from 2003 to 2006 and the percent of students taking general mathematics and integrated mathematics decreased.
- The number of students increased for Algebra I by 25,714, for geometry by 26,654, and for Algebra II by 17,742.

Science

- Approximately, 1.1 million students in grades nine to eleven took CSTs in science based on course completion in 2006.
- Between 2003 and 2006, the number of students taking CSTs in science based on course completion increased by approximately 66 percent (373,000) with the greatest increases in biology (approximately 164,000) and Earth science (approximately 106,000).
- Approximately, 128,000 students took Integrated/Coordinated Science (1, 2, 3, and 4) CSTs in 2006 which was a decrease of approximately 8,700 students from last year.
- Students scoring at the proficient and above levels on the biology CST increased by 3 percent from last year.
- Students scoring at the proficient and above levels on the grade five CST continues to grow with an increase of 4 percent from last year.

History-Social Science

- Thirty-four percent of grade eight students scored at the proficient or above levels, a 3-percent increase from last year and a 7-percent increase from 2003.
- Thirty percent of grade ten (world history) students scored at the proficient or above levels, a 3-percent increase from 2003.
- Thirty-five percent of grade 11 (U.S. history) students scored at the proficient or above levels, a 1-percent increase since 2003.

Table 1
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006
ENGLISH-LANGUAGE ARTS

Percentage of Students Scoring at and Above Proficient*					Change in Percentage	
Grade	2003	2004	2005	2006	2005-2006	2003-2006
2	36	35	42	47	5	11
3	33	30	31	36	5	3
4	39	39	47	50	3	11
5	36	40	43	43	0	7
6	36	36	38	41	3	5
7	36	36	43	43	0	7
8	31	33	39	41	2	10
9	38	37	43	43	0	5
10	33	35	36	37	1	4
11	32	32	36	36	0	4
State Total 2 - 11	35	35	40	42	2	7

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in grades two through eleven. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 2
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006
MATHEMATICS

Percentage of Students Scoring at and Above Proficient*					Change in Percentage	
TEST	2003	2004	2005	2006	2005-2006	2003-2006
Grade 2	53	51	56	59	3	6
Grade 3	46	48	54	57	3	11
Grade 4	45	45	50	54	4	9
Grade 5	35	38	44	48	4	13
Grade 6	34	35	40	42	2	8
Grade 7	30	33	37	41	4	11
General Mathematic	20	20	22	22	0	2
Algebra I	21	18	19	23	4	2
Geometry	26	24	26	26	0	0
Algebra II	29	24	26	25	-1	-4
Integrated 1	7	7	7	9	2	2
Integrated 2	28	21	29	31	2	3
Integrated 3	21	27	32	34	2	13
Summative High School Math	43	41	45	46	1	3
State Total 2 - 7 plus all end-of-course tests	35	34	38	40	2	5

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in grades two through eleven. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 3
California Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006
MATHEMATICS TESTS

TEST	Number of Students Tested Grades 8 - 11				Change in Number	
	2003	2004	2005	2006	2005-2006	2003-2006
General Mathematics	435,695	415,461	372,513	338,766	-33,747	-96,929
Algebra I	491,579	613,017	680,702	706,416	25,714	214,837
Geometry	263,104	300,905	333,148	359,802	26,654	96,698
Algebra II	158,619	181,878	195,966	213,708	17,742	55,089
Integrated 1	13,919	9,612	8,726	6,766	-1,960	-7,153
Integrated 2	9,440	7,928	6,703	4,272	-2,431	-5,168
Integrated 3	9,693	4,430	3,559	2,222	-1,337	-7,471
Summative High School Math	74,010	80,504	90,849	99,315	8,466	25,305
Total	1,456,059	1,613,735	1,692,166	1,731,267	39,101	275,208

Table 4
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2004-2006

Grade 5, 8, and 10 Science*

Percentage of Students Scoring at and Above Proficient**				Change in Percentage	
Grade	2004	2005	2006	2005-2006	2004-2006
5	24	28	32	4	8
8	NA	NA	38	NA	NA
10	NA	NA	34	NA	NA
State Total 5, 8, & 10	NA	NA	35	NA	NA

*The Grade 5 California Science Standards Test was first administered in spring 2004. The Grade 8 California Science Standards and the Grade 10 California Life Science Standards Tests were first administered during spring 2006.

**The grade 5 data for 2004 and 2005 are final statewide data. The 2006 data are preliminary and include results for approximately 99% of the students in the state. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 5
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006

SCIENCE -- End-of-Course

TEST	Percentage of Students Scoring at and Above Proficient*					Change in Percentage	
	2003	2004	2005	2006		2005-2006	2003-2006
Earth Science	21	22	23	23		0	2
Biology	37	30	32	35		3	-2
Chemistry	31	28	27	27		0	-4
Physics	29	29	31	32		1	3
Integrated 1	7	5	8	9		1	2
Integrated 2	8	8	6	5		-1	-3
Integrated 3	7	8	8	10		2	3
Integrated 4	12	8	26	12		-14	0
State Total for all end-of- course tests	29	24	27	28		1	-1

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in the state. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 6
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006

SCIENCE TESTS

Test	Number of Students Tested with End-of-Course Science Tests				Change in Number	
	2003	2004	2005	2006	2005-2006	2003-2006
Earth Science	89,676	134,953	173,827	195,235	21,408	105,559
Biology	334,005	397,909	453,304	497,960	44,656	163,955
Chemistry	153,491	181,420	196,663	213,347	16,684	59,856
Physics	44,878	52,586	59,295	61,071	1,776	16,193
Integrated 1	62,008	101,824	111,343	106,968	-4,375	44,960
Integrated 2	25,983	24,654	20,642	17,405	-3,237	-8,578
Integrated 3	10,621	5,870	3,415	2,538	-877	-8,083
Integrated 4	1,515	1,601	1,040	816	-224	-699
Total	722,177	900,817	1,019,529	1,095,340	75,811	373,163

Table 7
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
2003-2006

HISTORY-SOCIAL SCIENCE

Percentage of Students Scoring at and Above Proficient*					Change in Percentage	
Grade	2003	2004	2005	2006	2005-2006	2003 -2006
8	27	27	31	34	3	7
10	27	27	31	30	-1	3
11	34	32	37	35	-2	1
State Total 8, 10 & 11	29	28	33	33	0	4

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in grades two through eleven. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 8
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
Percentage of Students Scoring at Proficient and Above by Subgroup
2003-2006
ENGLISH-LANGUAGE ARTS

Subgroup		2003	2004	2005	2006
All Students		35%	35%	40%	42%
Gender	Female	39%	40%	44%	46%
	Male	31%	32%	36%	38%
Ethnicity	African American or Black	22%	23%	27%	29%
	American Indian/Alaskan Native	31%	31%	36%	37%
	Asian	55%	56%	62%	64%
	Filipino	48%	50%	55%	58%
	Hispanic/Latino	20%	21%	25%	27%
	Pacific Islander	31%	31%	36%	39%
	White	53%	54%	58%	60%
Economically Disadvantaged Students		20%	21%	25%	27%
Non-Economically Disadvantaged Students		49%	50%	56%	58%
Students Receiving Special Education Services*		9%	10%	11%	13%
Students with no Reported Disability		38%	38%	43%	45%
English Only Students		44%	44%	49%	51%
Initially-Fluent English Proficient (I-FEP)		46%	48%	53%	56%
Reclassified-Fluent English Proficient (R-FEP)		40%	42%	48%	50%
English Learners		10%	10%	12%	14%

* The percentages for Students Receiving Special Education Services do not include the results for students who were administered the California Alternate Performance Assessment (CAPA). Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 9
Standardized Testing and Reporting (STAR) Program
California Standards Test Results
Percentage of Students Scoring at Proficient and Above by Subgroup
2003-2006
MATHEMATICS

Subgroup		2003	2004	2005	2006
All Students		35%	34%	38%	40%
Gender	Female	34%	34%	38%	40%
	Male	35%	35%	39%	41%
Ethnicity	African American or Black	19%	19%	23%	24%
	American Indian/Alaskan Native	29%	28%	32%	35%
	Asian	60%	60%	65%	67%
	Filipino	44%	45%	50%	54%
	Hispanic/Latino	23%	23%	27%	30%
	Pacific Islander	31%	31%	35%	38%
	White	47%	46%	51%	53%
Economically Disadvantaged Students		24%	25%	29%	30%
Non-Economically Disadvantaged Students		45%	44%	49%	52%
Students Receiving Special Education Services*		13%	13%	15%	16%
Students with no Reported Disability		37%	36%	41%	42%
English Only Students		39%	39%	43%	45%
Initially-Fluent English Proficient (I-FEP)		44%	45%	49%	52%
Reclassified-Fluent English Proficient (R-FEP)		37%	37%	41%	43%
English Learners		20%	20%	24%	25%

*The percentages for Students Receiving Special Education Services do not include the results for students who were administered the California Alternate Performance Assessment (CAPA). Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 10
Standardized Testing and Reporting (STAR) Program
California Standards Test Results for Selected School Districts
2003-2006

ENGLISH-LANGUAGE ARTS

Percentage of Students Scoring at and Above Proficient*					Change in Percentage	
School District	2003	2004	2005	2006	2005–2006	2003–2006
Los Angeles Unified	23	24	27	30	3	7
Sacramento City Unified	31	31	36	38	2	7
San Bernardino City Unified	20	20	22	24	2	4
San Diego City Unified	36	37	42	44	2	8
San Francisco Unified	39	40	45	48	3	9
State Results	35	35	40	42	2	7

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in grades two through eleven. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.

Table 11
Standardized Testing and Reporting (STAR) Program
California Standards Test Results for Selected School Districts
2003-2006
MATHEMATICS

Percentage of Students Scoring at and Above Proficient*						Change in Percentage	
School District	2003	2004	2005	2006		2005–2006	2003–2006
Los Angeles Unified	26	26	29	31		2	5
Sacramento City Unified	32	31	35	39		4	7
San Bernardino City Unified	22	20	22	25		3	3
San Diego City Unified	29	31	37	39		2	10
San Francisco Unified	40	40	46	48		2	8
State Results	35	34	38	40		2	5

*Data for 2003 through 2005 are final statewide results. The 2006 data are preliminary and include results for approximately 99% of the students in grades two through eleven. Complete results will be available during September 2006. Percentages included in this table may differ from the percentages printed on the Internet reports due to rounding.